

the barrel and the caliber of the bullet. Consideration is given as to whether the bullet is upset on impact or otherwise disturbed. The weight of the bullet is considered and the question of the presence or absence of what is known as a grease groove.

"These characteristics are searched for. Sometimes one element is missing and others are found to exist. The condition of any bullet under examination is sometimes such that many of these marks of identification are destroyed. It so happens, however, that in a majority of cases where the fatal bullet is recovered and the suspected weapon is available, it is possible for experts to say definitely whether the bullet came out of the suspected weapon or not.

"In this case I have sought the advice of the most experienced men who were available. I have had the benefit of the opinion of the following:

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"(a) Morton A. Robinson of New Haven, Conn. He entered the employ of the Winchester Operating Arms Company in 1904 and was employed in the ballistic laboratory. In 1911 he was appointed head of the laboratory, a position which he retained until 1917, when he was transferred to the Central Engineering Division and given the title of ballistic engineer. It has been his duty as head of the laboratory and as ballistic engineer to supervise all routine and experimental tests of guns and ammunition and to specify standards as to powders, priming mixtures, bullet composition, gun chamber sizes, twists of rifling and the proper co-ordination of dimensions between gun and ammunition. During a long period of years it has been his practice in connection with his work to fire and recover various types of bullets from various arms and examine the recovered bullets with the aid of microscopes. In August, 1918, he was appointed by the United States Ordnance Department as a member of a commission to visit the principal small arms ammunition plants in England, France and Italy to study methods of manufacture and to observe and to determine the quality of ammunition being furnished to the American troops.

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"Now, all of these gentlemen are men of

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